Hardik Sachan

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Education

National Institute of Technology Delhi 2025
B.Tech in Electrical and Electronics Engineering *7.87/10*

Delhi Public School Barra, Kanpur 2021
Class XII, CBSE Board *98.8%*

Delhi Public School Barra, Kanpur 2019
Class X, CBSE Board *96.2%*

Experience

Logistics Coordinators Apr 2023 — Apr 2024

Tech Head *Aug 2023 — Apr 2024*
Full Stack Developer *Jun 2023 — Aug 2023*
Freelance Web Developer *Apr 2023 — Jun 2023*

- Spearheaded the development of *FMS (fms.loadlc.com)* , a cloud-based fleet management platform. Leveraged strong leadership and technical expertise, to deliver a scalable and user-centric platform.
- Re-architected the backend infrastructure, migrating from a non-modular NodeJS environment to a scalable and maintainable **GoLang** solution utilizing **PostgreSQL** & **RabbitMQ** deployed with **Kubernetes** with a custom built CI/CD pipeline.
- Utilized **NextJS**, **Tailwind**, **Drizzle** and other modern technologies to build a robust and visually appealing user interface.
- Developed a performant and user-friendly mobile application for drivers using **Flutter**.
- Led a cross-functional team of developers and designers using Agile methodologies, ensuring on-time and on-budget delivery.
- Effectively communicated project progress and tailored presentations to client needs, ensuring a successful rollout and user adoption.

Projects

Autonomous Driving System | B.Tech Minor Project Presentation Report Github

- Developed a robust system for real-time lane detection and following in autonomous vehicles using machine learning.
- Implemented deep learning for lane detection with optimized sampling for efficiency.
- Performed semantic segmentation of RGB images for robust lane marking identification under varying conditions.
- Employed Proximal Policy Optimization (PPO) for lane following within the CARLA simulator environment.

Identity Reconciliation API Github

- Developed an identity reconciliation service for an e-commerce platform.
- Designed to identify and link customer purchases across different contact information.
- **Technologies Used — NodeJS, PostgreSQL, REST**

Breadit — Reddit Clone Github

- Developed an application featuring infinite scrolling for dynamic post loading, and integrated authentication via NextAuth and Google services.
- Implemented optimistic updates for a smooth user experience.
- Designed a post editor with image uploads, link previews, and nested comments.
- **Technologies Used — NextJS, Tailwind CSS, Zod, EditorJS, RadixUI (using shadcn/ui), Tanstack Query, UploadThing, Axios, NextAuth.**

Skills

Languages — Go, Typescript, Rust, Javascript, Python, Kotlin, Java, PostgreSQL
Web Technologies — ReactJS, NextJS, Drizzle, Axios, Express JS, Chakra UI, Tailwind CSS, Tanstack Query, Figma
DevOps — Docker, Kubernetes, Git, Crossplane, Prometheus, Linux
Android — Android SDK, Jetpack Compose, SQL Delight, Dagger Hilt, Jetpack Datastore
Software Architecture — TDD, DDD